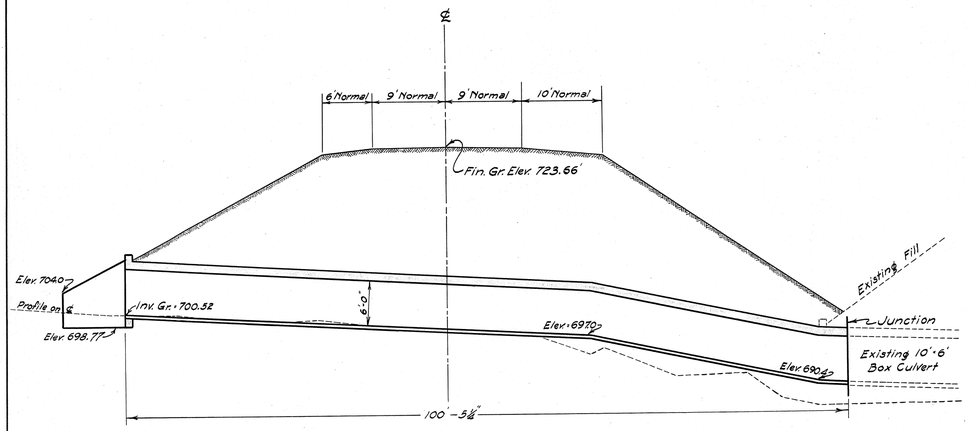
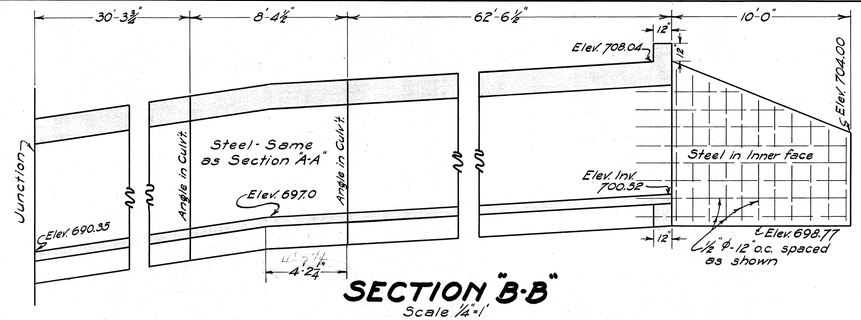
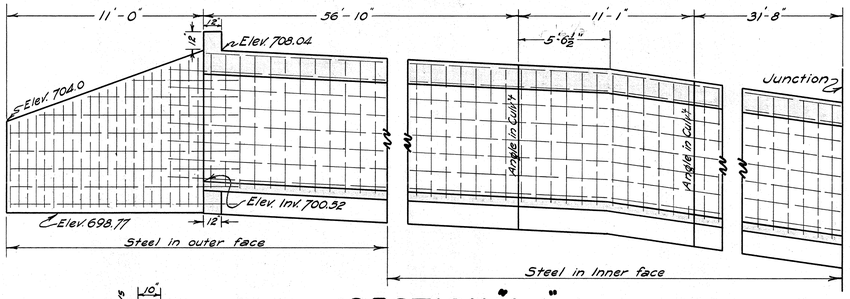
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	N.R.H.14F	1934	7	43



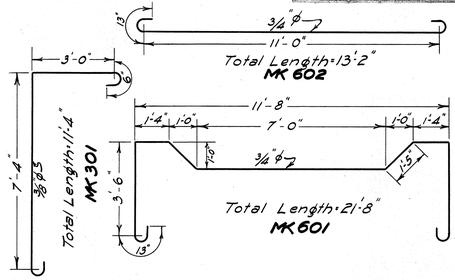
LONG'T SECT. THRU CULVERT ON ℄
Scale 1"=10'

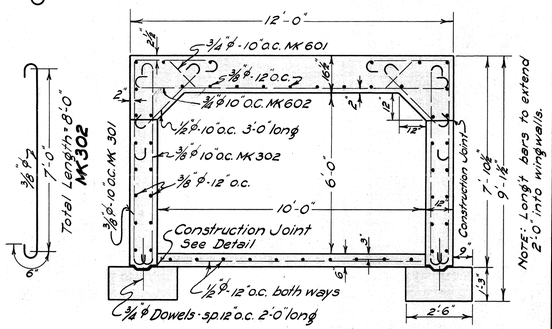


SECTION "B-B"
Scale ¼"=1'



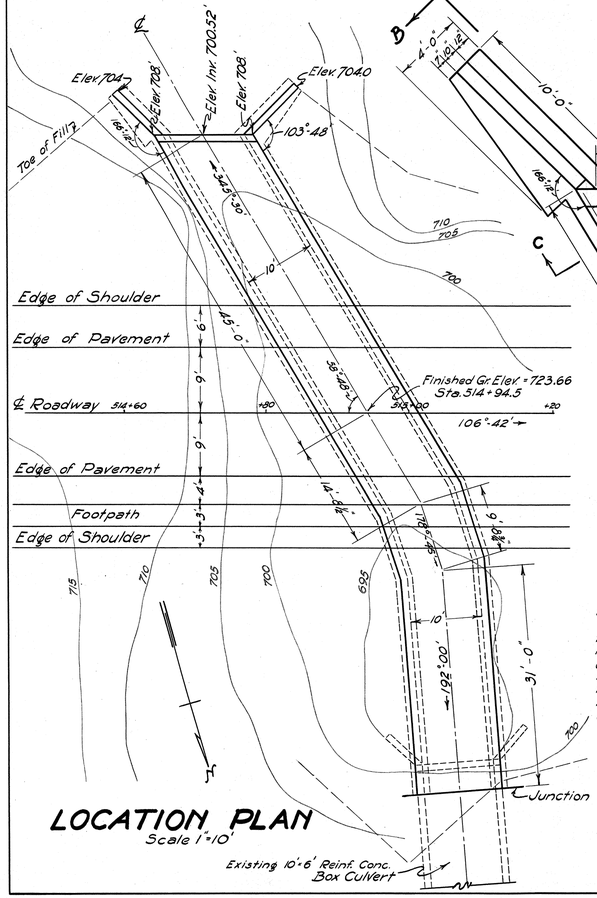
SECTION "A-A"
Scale ¼"=1'



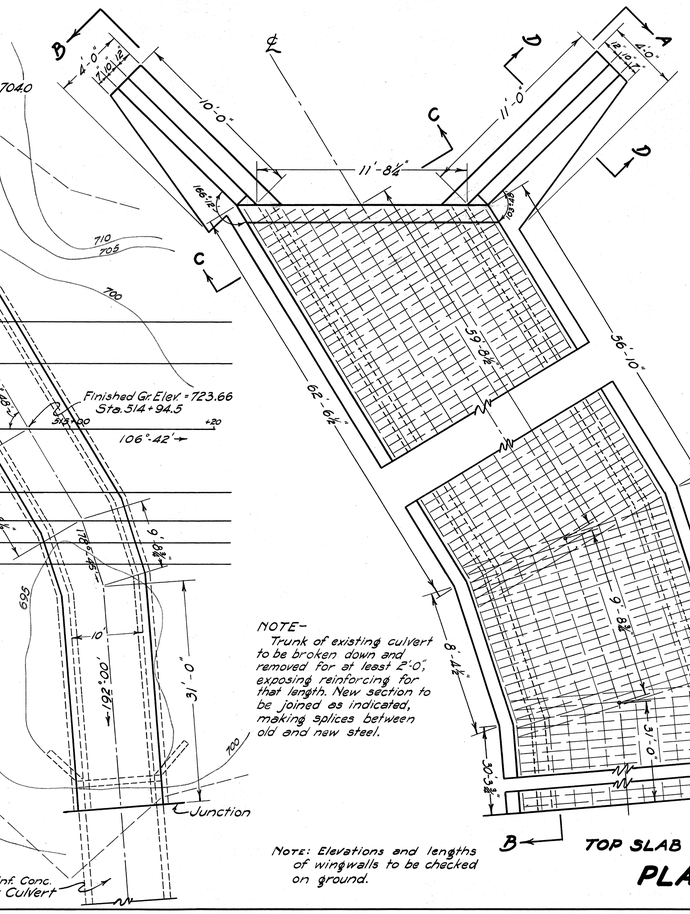


NOTE— Footings must be excavated to neat lines.

NORMAL SECTION THRU TRUNK
Scale ⅜"=1'



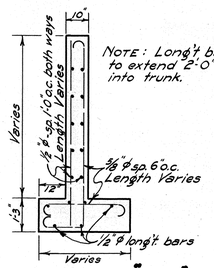
LOCATION PLAN
Scale 1"=10'



NOTE— Trunk of existing culvert to be broken down and removed for at least 2'-0", exposing reinforcing for that length. New section to be joined as indicated, making splices between old and new steel.

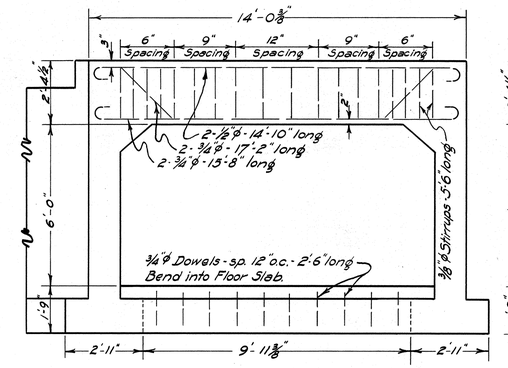
Note: Elevations and lengths of wingwalls to be checked on ground.

PLAN of CULVERT
Scale ¼"=1'

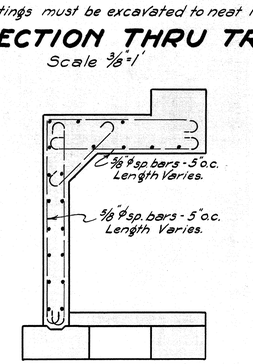


NOTE: Long't bars to extend 2'-0" into trunk.

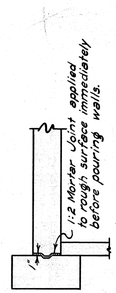
SECTION "D-D"
Scale ⅜"=1'



END ELEVATION
Scale ⅜"=1'



SECTION "C-C"
Scale ⅜"=1'



CONSTRUCTION JOINT

Brush Coat Waterproofing:—
Remove all projections, cement film, dirt, etc. Apply primer, etc. after concrete is over 14 days old and when dry. Apply primer coat of asphalt (penetration not over 250) with a naptha flux. Follow with two brush coats of hot asphalt (300°-350°F.) having penetration of 25-30. These two coats are to use at least one gallon of asphalt per sq. yd. and are to be applied from the bottom upward.
Waterproofing shall cover all surfaces in contact with earth except sides and bottom of footings. Waterproofing is an incidental to the concrete used and will not be paid for separately.

QUANTITIES	
Concrete	164.21 cu.yds.
Reinf. Steel	13,533.0 lbs.
Struct. Exc.	33.0 cu.yds.

DETAILS of 10'-6' CULV'T EXTENSION
STA. 514+94.5
N.R.H. 14F

ORIGINAL PLAN	SURVEY PLOTTED BY	V.O.V.	DATE	3-'34
	DESIGNED BY	W.R.B.	"	"
	DRAWN BY	O.A.M.	"	"
	TRACED BY	O.A.M.	"	"
NOTE BOOK	QUANTITIES BY	O.A.M.	"	"
	CHECKED BY	R.E.S.	"	"

4316.7